

## 50 Series Micro Feeder

### Brief Description

Our 50 series feeder is our smallest feeder to date. The design offers a 50mm (2") in diameter feeding disc.

The base feeder design is sized to feed low rate feeding applications 0.002 to 1.0lb/hr (1g/hr to 453g/hr). All rates can vary based upon the density, flow- ability, and size of material.

The 50 series is the size of a standard coffee mug the mounting ability holds unlimited possibilities! No auger or vibratory feeders can match the 50's capabilities, in terms of size, feeding capability and repeatability.

All of Orbetron's Disc series feeders are designed to handle bulk materials ranging from powder to pellets. This rate can vary based upon the density, flow-ability, and size of material.

**This is the Orbetron difference!**



### General Specifications

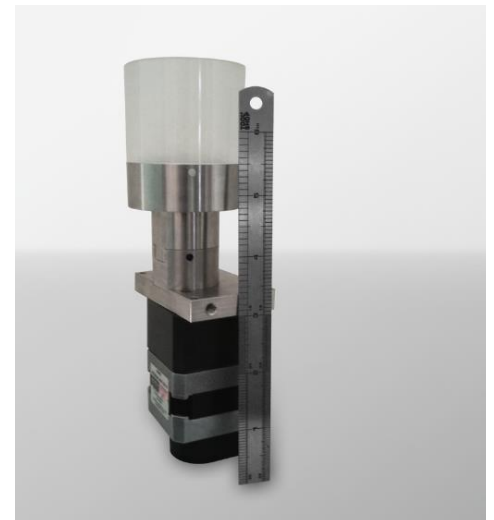
Standard disc sizes include 24, 12, & 6 holes per revolution. Special disc sizes are designed based upon your feeding needs.

Orbetron offers our engineering expertise to help handle you unique application needs.

Orbetron designs our disc feeder to be quick exchange capable, and easy clean capable.

We use our stepper motor technology to ensure precise measurement by volume. This is all tied into our O50 touch screen controller.

Incorporating our 3D printing technology we can design and produce a 3D model of this unit based upon the design requirements.



### Specifications

- 110/220Vac single phase 50/60 hz
- Stepper Motor Drive
- Volumetric/Gravimetric Capable (Batch/Continuous)
- Quick Exchange Housing
- Dose Powder to Pellet Materials
- Multiple Mounting Capabilities
- Separate Mounted Controls

### Controls O50

- Separate Mounted Controls
- HMI Color Touchscreen
- PLC Control with I/O for Stepper, DC, or AC Motors



### Options

- External Alarm Audible & Light
- Spare Station for Easy Changeover
- Optional Agitation for Special Materials
- Modbus Ethernet
- Continuous running software
- Extension cables
- SS Hopper
- Small loader adapter
- Multi-component capability up to 4 units (additional units upon request)

### Disc Chart

Additional Disc sizes and designs are available

Disc Type	Disc Thickness	48 Holes	24 Holes	12 Holes	6 Holes
SD	1.0, 2.5, 5mm	Y	Y	Y	Y
HD	1.0, 2.5, 5mm	Y	Y	Y	Y